

## **Notification of Authorization under the Degree-Granting Institutions Act**

**Date posted:** May 17, 2010

**Institution:** Embry-Riddle Aeronautical University Worldwide

**Nature of Request:** Authorization to offer an additional program at two campuses in Washington State

**Program to be offered:** Bachelor of Science in Transportation

**Sites where it will be offered:** 1000 Oakesdale Avenue, S.W.; Suite 110; Renton, WA  
Applied Technology Training Center; 2333 Seaway Blvd.; Everett, WA

**Currently authorized programs:** Associate of Science in Aviation Business Administration  
Associate of Science in Aviation Maintenance  
Associate of Science in Professional Aeronautics  
Associate of Science in Technical Management  
Bachelor of Science in Aviation Business Administration  
Bachelor of Science in Aviation Maintenance  
Bachelor of Science in Professional Aeronautics  
Bachelor of Science in Technical Management  
Master of Aeronautical Science  
Master of Business Administration in Aviation  
Master of Science in Management  
Master of Science in Management to Master of Business Administration in Aviation  
Master of Science in Project Management  
Master of Science in Technical Management  
Master of Science in Technical Management to Master of Business Administration in Aviation

### **Background:**

Embry-Riddle Aeronautical University Worldwide is based in Daytona Beach, Florida and has been authorized to offer degree programs in Washington State since 1981. It has been accredited by the Southern Association of Colleges and Schools since 1968.

### **Nature of the Review:**

Prior to granting authorization to offer new degree programs in Washington State, the Higher Education Coordinating Board/Degree Authorization reviews elements such as program outcomes, course requirements, method of course delivery, faculty credentials, and student services.

Information on the new program can be found at the end of this notice.

### **Timeline:**

The HECB will accept comments on this application until June 1, 2010.

Any individuals with knowledge that may indicate the institution and/or the program does not meet the authorization requirements of WAC 250-61 are requested to submit comments to:

[DAA@hecb.wa.gov](mailto:DAA@hecb.wa.gov).

If you would like to know more about the current law and regulations that govern the program, the statute is RCW 28B.85 and the regulation is WAC 250-61. They can both be found at the following link: [Statutes and Regulations](#).

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Program Title:

**Bachelor of Science in Transportation**

Program Outcomes:

“The Bachelor of Science in Transportation degree is designed for adults who work or would like to work in the field of transportation. The program incorporates a systematic approach to developing concepts and constructs of the transportation industry as the critical element in the physical distribution function of our market economy. Students will be introduced to both the science and practical applications of five primary modes of transportation and their importance to political, social and economic forces. The elements of this program, when integrated and sequenced as designed, provide a dynamic and rigorous learning experience. The multiple modes of transportation are major components in the growth and expansion in world trade, as well as a catalyst for globalization. The program is focused on the physical and economic aspects of transportation with a bias towards the aviation and aerospace industries. Having a strong foundation in the safe, effective and efficient use of air, highway, rail, water and pipelines can assure the continued success of transportation practitioners and organizations. The program has been designed to meet the rigors of a career in transportation and provide the necessary knowledge required of a professional in transportation and related fields.”

Number of Credits: 120 semester hours

Required Courses: (all courses are 3 credits each)

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General Education: (27 credits total)

- Communication Theory & Skills:  
ENGL 123 English Composition ..... 3  
Speech/English..... 6
- Mathematics: MAT 140 & MATH 142 ..... 6
- Physical and Life Sciences: PHYS 102 & PHYS 142 ..... 6
- Humanities and Social Science Electives: One course must be upper level..... 6

Core Courses:

Transportation Area of Concentration: (15 credits total)

Up to 15 credits may be earned for prior transportation learning and experience including:

- Transfer for another accredited institution;
- ACE-recommended credits for military training and experience or other training by government agencies and private organizations;
- Prior learning credits for certain transportation licenses and rating as they relate to this degree
- Validated Advanced Placement (VAP)

Any of the 15 credits not satisfied by the areas above may be earned through electives.

Program Support: (15 credits total)

MATH 222	Business Statistics
CSCI 109	Introduction to Computers and Applications
MGMT 201	Principles of Management
ECON 210	Microeconomics
ECON 211	Macroeconomics

Transportation Topics: (33 credits total)

TRAN 274	Transportation Science
TRAN 301	Transportation Legislation
TRAN 321	Air Transportation Systems
TRAN 331	Road and Highway Transportation
TRAN 341	Railroad Operations
TRAN 351	Urban Transportation and City Planning
TRAN 361	Marine Transportation
TRAN 371	Pipelines, Land Use, and the Environment
TRAN 401	Transportation and the Environment
TRAN 411	Strategic Intermodal Alliances
TRAN 421	Transportation Safety and Security

Transportation Support Topics: (12 credits total)

MGMT 210	Financial Accounting
MGMT 221	Advanced Computer Based Systems
MGMT 314	Human Resources Management
MGMT 390	Business Law

Transportation Capstone: (3 credits total)

TRAN 490	Transportation Science Capstone
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Electives: (15 credits total)

(Choice of five of the following)

ASCI 210	Space Transportation Systems
ASCI 254	Aviation Legislation
ASCI 317	Rotorcraft
ASCI 320	Commuter Aviation
ASCI 401	Aircraft Development and Operation
ASCI 405	Aviation Law
ASCI 412	Corporate and Business Aviation
ECON 420	Economics of Air Transportation
MGMT 415	Airline Management
SCTY 400	Airport Securities
SCTY 485	Corporate Securities
SFTY 311	Fundamentals of Occupation Safety and Health
SFTY 315	Environmental Compliance and Safety
SFTY 321	Ergonomics
SFTY 341	Occupational Safety and health Program Management

SFTY 355	Industrial Hygiene and Toxicology
SFTY 365	Fire Protection
SFTY 410	Design of Engineering Hazard Control
SFTY 420	Systems Design for Fire and Life Safety
SFTY 440	System Safety Management
SFTY 450	Loss Control and Insurance
WEAX 201	Meteorology